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RECENTLY PUBLISHED RESEARCH OF THE KHARKOV EXPERIMENTAL STATION

"Experimental Investigation of Quaternary Systems. Quaternary System o,m, and p-Xylenes and Ethylbenzene," V. Kravchenko, Kharkov Experimental Sta

"Acta Physicochimica USSR" Vol 20, 1945, pp 567-77

Liquid-solid equilibria of this system were determined by the cooling-curve method. The system closely follows the ideal. The quaternary eutectic point occurs at about -101° or -102° with the following approximate percentages: p-xylene 2, o-xylene 5, m-xylene 15, and ethylbenzene 78. A quaternary system of the eutectic type can be studied both qualitatively and quantitatively by the boundary ternary system. The eutectic temperature of the quaternary system benzene-toluene-m-xylene-naphthalene, is estimated to be $-102 \pm 1°$.

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